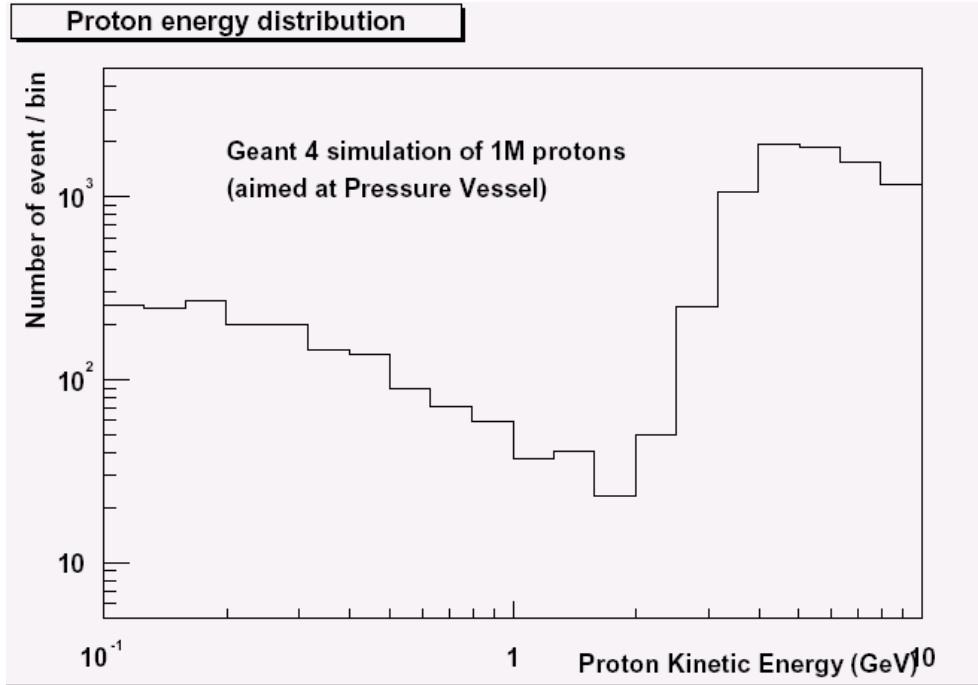
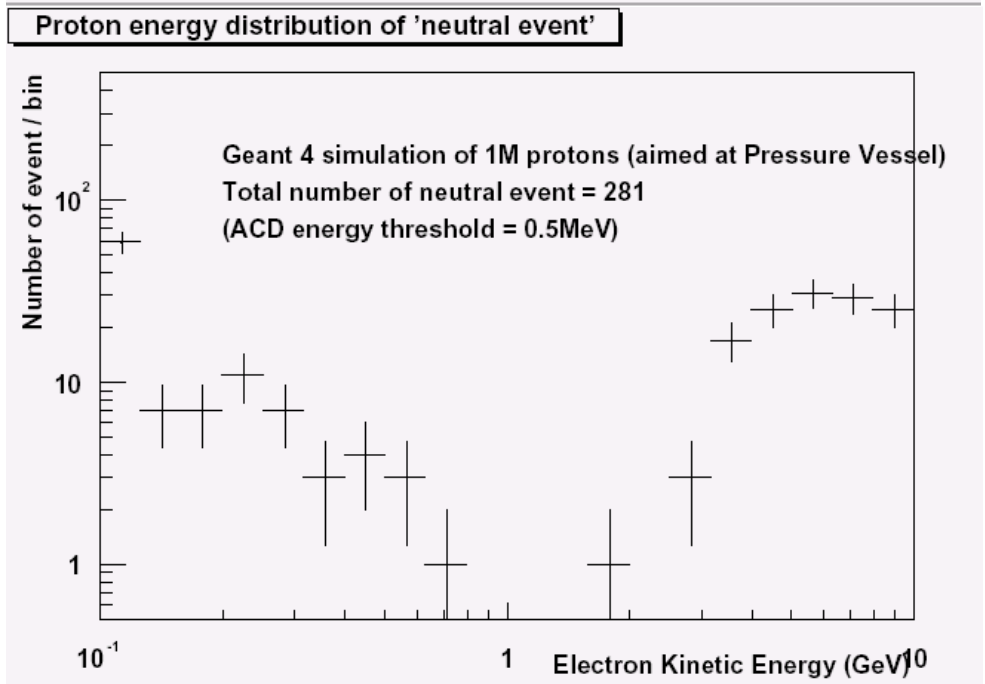
Understanding "Neutrals" in BFEM (1)

Aug. 23, 2001 T. Kamae

Proton contribution LT1

Proton contribution "Neutrals"





Understanding "Neutrals" in BFEM (2)

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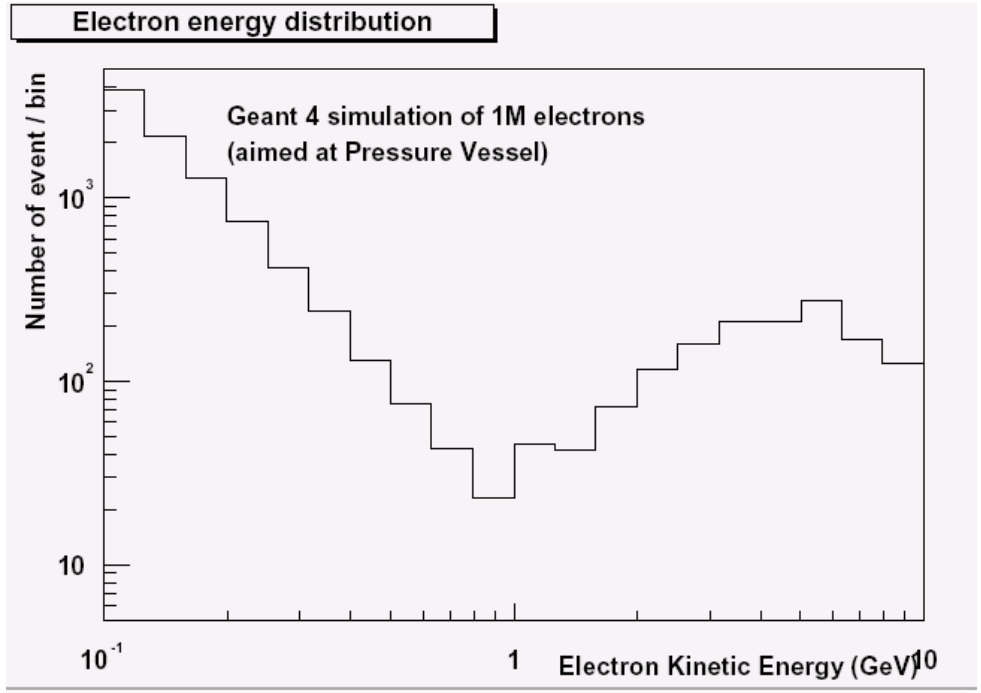
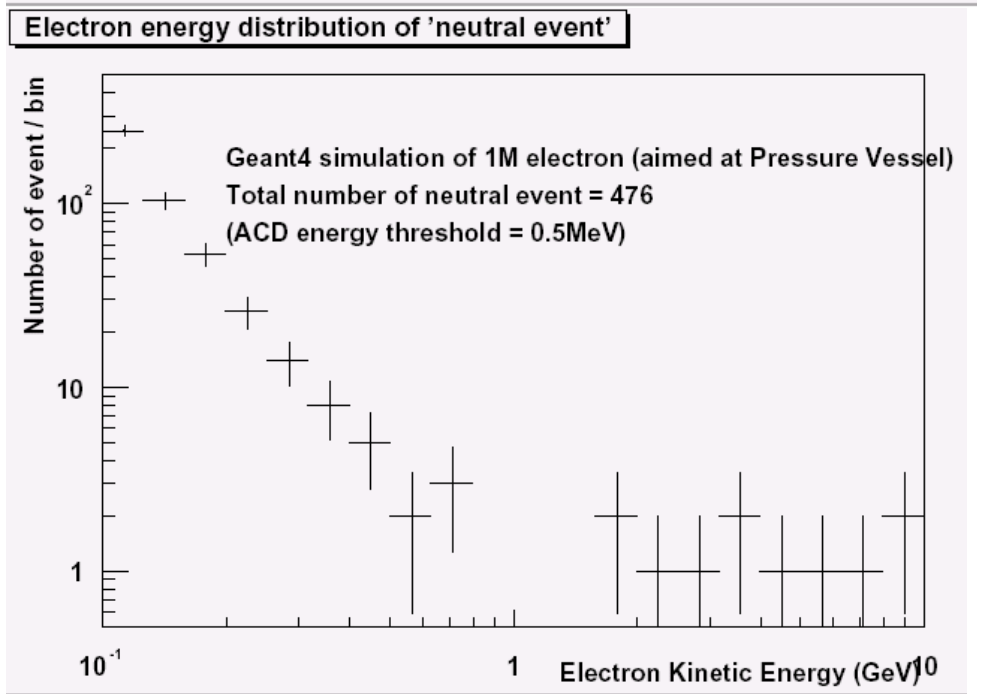
Electron contribution
LT1



Electron contribution
"Neutrals"



Understanding "Neutrals" in BFEM (3)

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Possible hardware reoptimization

- **Extend the ACD coverage downward by 5-10cm**
- **L1T to request N(>3) continuous Si layers**
- **Wire up outmost Cal logs for "anti"**

Possible L1T throttling algorithms

- **Request N(>3) continuous Si layers to be hit**
- **Use outmost Cal logs as soft "anti" (Note: only ½ surface covered)**

Possible filtering algorithms

- **Tracks starting at a Super GLAST layer have to have E>Elowlimit**
- **Track's lateral coordinates (x,y) to be within Lmin of the LAT edge**

All requires impact assessments and careful simulation studies